



Integrated Training Area Management

STEWARDSHIP REPORT 2015



CONTENTS

About this report

The Stewardship Report on the U.S. Army Europe Integrated Training Area Management program is published annually and reports performance and accomplishments for all program components. The report covers the period January 1 to December 31, 2015. For further information and an electronic version of this and our previous reports, visit our website or Facebook site:

<https://srp.usareur.army.mil>

<http://www.facebook.com/usareur.srp>

We welcome your feedback

Please send your comments to:

U.S. Address:

7th Army JMTC

Attn: AETT-TS (Bldg 3007)

Unit 28130

Camp Normandy

APO AE 09114-8130

German Address:

7th Army JMTC

TSAE (Geb. 3007)

Camp Normandie

92655 Grafenwöhr-Lager

Or email to:

usarmy.bavaria.jmtc.list.usareur-srp@mail.mil

Letter from the Commander

1

Who We Are

Where We Fit In

2

Our Focus

ITAM Partner Events

6

Event Case Studies

8

Events Calendar

12

SRP Workshop 2016

13

Tap In

14

The Numbers

2015 by the Numbers

16

Project Catalog

JMRC Hohenfels

18

Grafenwoehr, USAREUR, LTAs

20

European Security

22

Who Needs What

24

Innovations

Biodiversity

26

Post Exercise Assessments

28

Custom 3D Maps

30

Travelling Exhibition

31

The Way Ahead

2016 Initiatives

32



WHERE WE FIT IN

“What we will do – always – is uphold our solemn obligation, our Article 5 duty to defend the sovereignty and territorial integrity of our allies. And in that promise we will never waiver; NATO nations never stand alone.”

President Barack Obama
Brussels, Belgium



U.S. Army Europe (USAREUR)

U.S. Army Europe trains and leads Army Forces in support of U.S. European Command and Headquarters, Department of the Army by:

- » Training and preparing full-spectrum capable forces for global employment
- » Strengthening alliances and building partner capacity and capability
- » Providing Army Service Component Command and Title 10 support
- » Continually seeking to improve the readiness and quality of life of our Soldiers, Army Families and Civilian workforce

[facebook.com/USArmyEurope](https://www.facebook.com/USArmyEurope)



Joint Multinational Training Command (JMTC)

The 7th Army Joint Multinational Training Command provides dynamic training, preparing forces to execute Unified Land Operations and contingencies in support of the Combatant Commands, NATO and other national requirements.

[facebook.com/7thArmyJMTC](https://www.facebook.com/7thArmyJMTC)



Training Support Activity Europe (TSAE)

Identifies, acquires, manages and provides state-of-the-art home station, rotational and expeditionary training support and visual information capability as directed by USAREUR, in order to prepare Joint and Multinational forces to win in any operating environment, and serves as the JMTC point of contact for training support at installations outside the Grafenwoehr Military Community.

[facebook.com/TrainingSupportActivityEurope](https://www.facebook.com/TrainingSupportActivityEurope)



Sustainable Range Program (SRP)

The ITAM program and the Range and Training Land Program (RTLTP) comprise the U.S. Army's Sustainable Range Program. The mission of the SRP is to maximize the capability, availability and accessibility of ranges and training land to support doctrinal training, mobilization and deployments.

[facebook.com/USAREUR.SRP](https://www.facebook.com/USAREUR.SRP)



Integrated Training Area Management (ITAM)

ITAM is a management and decision-making process that integrates training and other mission requirements for land use with sound natural resource management practices.

ITAM is a core program under the Army's Sustainable Range Program under the direction of the Chief, Training Support Systems Division, Office of the Deputy Chief of Staff, G-3/5/7.

ITAM develops methods to maintain natural environments that are resilient and resistant to military use, provides capabilities to establish land condition monitoring on training lands (Range and Training Land Assessment), provides an awareness program for land users (Sustainable Range Awareness), provides means to apply training loads to land capabilities resulting in land management that avoids non-compliance with environmental laws that stop training (Training Requirement Integration and Geographic Information System) and sustains the Army's live training capability (Land Rehabilitation and Maintenance).

USAREUR ITAM is proud to support:



ITAM MISSION »

Maximize the capability, availability and accessibility of training land to support doctrinal training, mobilization and deployments.

LINES OF EFFORT

1 Training Requirements Integration

2 Range and Training Land Assessment

3 Land Rehabilitation and Maintenance

4 Sustainable Range Awareness

5 Geographic Information System

OBJECTIVES

Provide a training support procedure that integrates training requirements with management of natural and cultural resources.

Characterize and monitor an installation's natural resources, geospatially and temporally.

Implement preventive and corrective land repair projects that ensure availability, accessibility and capability of training lands.

Promote visibility of environmentally sensitive issues and instill a stewardship ethic among unit commanders, ground troops and neighboring communities.

Provide accurate, complete and standardized spatial data. GIS data and products adhere to Federal, DoD and Army spatial data standards.

TENETS »

OUTREACH

INTEGRATED
MANAGEMENT

INFORMATION
EXCELLENCE

2015 ITAM PRIORITIES

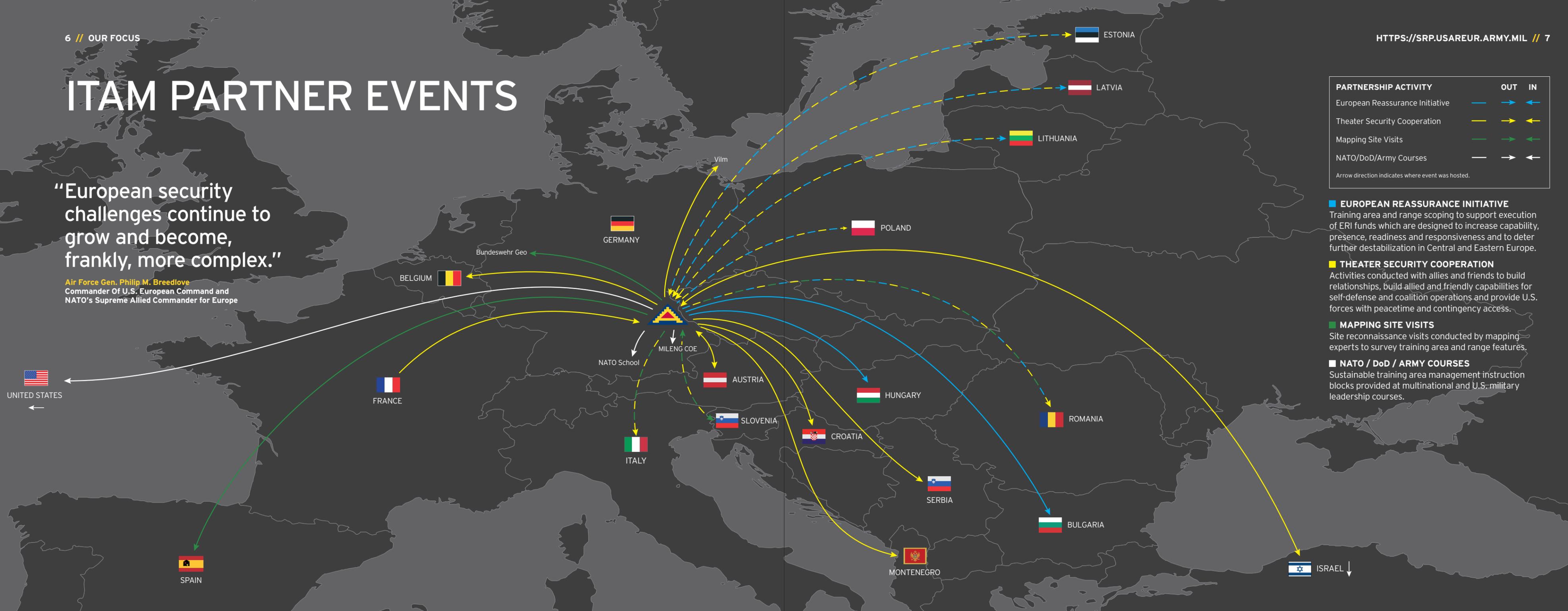
- » Integrated management of a training land platform capable of supporting a trained and ready force
- » Enhanced multinational interoperability, standardization and partnership capacity
- » Authoritative information proactively disseminated to training planners



ITAM PARTNER EVENTS

“European security challenges continue to grow and become, frankly, more complex.”

Air Force Gen. Philip M. Breedlove
Commander Of U.S. European Command and
NATO's Supreme Allied Commander for Europe



PARTNERSHIP ACTIVITY	OUT	IN
European Reassurance Initiative	→	←
Theater Security Cooperation	→	←
Mapping Site Visits	→	←
NATO/DoD/Army Courses	→	←

Arrow direction indicates where event was hosted.

EUROPEAN REASSURANCE INITIATIVE
Training area and range scoping to support execution of ERI funds which are designed to increase capability, presence, readiness and responsiveness and to deter further destabilization in Central and Eastern Europe.

THEATER SECURITY COOPERATION
Activities conducted with allies and friends to build relationships, build allied and friendly capabilities for self-defense and coalition operations and provide U.S. forces with peacetime and contingency access.

MAPPING SITE VISITS
Site reconnaissance visits conducted by mapping experts to survey training area and range features.

NATO / DoD / ARMY COURSES
Sustainable training area management instruction blocks provided at multinational and U.S. military leadership courses.

EVENT CASE STUDIES

From the Baltics to Israel, ITAM supported a wide range of partnership activities on the topic of sustainable training area management.

Partner nations share similar range and training area management challenges. Working together is the strongest approach to maximizing the training land platform!



1 UDINE, ITALY
9 - 10 June 2015

U.S. - ITALY SUSTAINABLE TRAINING AREA MANAGEMENT WORKSHOP

Event included representatives from the Friuli Venezia Giulia (FVG) regional government, local Pordenone provincial government, Italian Army FVG Regional Command, Italian Army HQ Rome, U.S. TRADOC Liaison Officer to the Italian Army, U.S. Office of Defense Cooperation Rome, U.S. Air Force Aviano units, U.S. Army Vicenza units and 7th Army JMTC. Sponsored by EUCOM, this event achieved its primary objective of constructive dialogue and relationship building with Italian military and civilian representatives.





2 TEL AVIV, ISRAEL
26 - 30 January 2015

GRAFENWOEHR, GERMANY
13 - 15 October 2015

ISRAEL THEATER SECURITY COOPERATION EVENTS

The Israeli Defense Forces (IDF) and Israeli Ministry of Defense (MoD) hosted a familiarization visit in support of the Israel - U.S. Environmental Protection Working Group.

JMTC also hosted IDF / MoD representatives in October for visits to Grafenwoehr and Hohenfels Training Areas.



The events covered topics such as environmental security challenges, partnership between military and civilian stakeholders, military training land sustainability and environmental considerations in realignment of the IDF base infrastructure.

The event in Israel included representatives from the IDF, Israeli MoD, SIBAT (Israeli Defense Export and Defense Cooperation), Israeli National Parks Authority and contractors specializing in environmental protection related to defense applications.



EVENT CASE STUDIES



1 GERMANY
28 September - 2 October 2015

GERMAN FEDERAL AGENCY FOR NATURE CONSERVATION WORKSHOP ON NATURA 2000

The German Federal Agency for Nature Conservation hosted a workshop on "Management of Natura 2000 sites on Military Training Areas". Workshop explored the special importance of military training grounds for the protection and maintenance of biodiversity in Europe.



2 SERBIA
7 - 11 September 2015

SERBIA THEATER SECURITY COOPERATION EVENT

JMTC, in cooperation with the Ohio National Guard, provided SRP assistance to Serbian representatives from the Borovac Training Area, Peace Keeping Operations Training Center.



6 NATO HQ
9 - 12 November 2015

JOINT GEOSPATIAL STANDARDS WORKING GROUP

The JGSWG functions to progress, develop and coordinate standardization and/or interoperability in geomatics, geospatial information and services, with the goal of improving the effectiveness of NATO forces.



7 LATVIA
25 - 29 May 2015

LATVIA NATURA 2000 WORKSHOP

ITAM supported the Seminar on the LIFE + project on improving the conservation status of specially protected bird species in Natura 2000 site "Adazi" hosted by the Latvian MoD.



11 POLAND
17 - 26 June 2015



13 ROMANIA
13 - 15 July 2015



12 BULGARIA
6 - 10 July 2015



14 HUNGARY
7 - 11 December 2015



8 NATO HQ
7 - 11 December 2015

ENVIRONMENTAL PROTECTION WORKING GROUP

The NATO EPWG covers all aspects of joint environmental standardization, security monitoring, awareness in personnel, protection training, protection during exercises and operations, Environmental Management Systems, sustainability of military training areas and synergies with Smart Energy.



9 CROATIA
21 - 25 September 2015

CROATIA THEATER SECURITY COOPERATION EVENT

JMTC, in cooperation with the Minnesota National Guard, provided assistance on sustainable training area management and range development to Croatian representatives from the Slunj Training Area.



10 JOINT MULTINATIONAL TRAINING COMMAND
5 - 6 May 2015

BALTICS FAMILIARIZATION VISIT

JMTC hosted environmental protection Subject Matter Experts (SMEs) from Lithuania, Latvia and Estonia. Purpose of visit was: 1) increase awareness of USAREUR sustainable range and training area management best practices; and 2) develop partnerships in order to facilitate future coordination, information sharing and cooperation.

EUROPEAN REASSURANCE INITIATIVE SITE VISITS

ITAM provided mapping and survey site visits to multiple training areas and ranges in support of planned European Reassurance Initiative (ERI) projects. Over 20 ERI training sites were surveyed by ITAM Geographic Information System Analysts in 2015 which supported creation of training area maps and Soldier Field Cards.



3 JOINT MULTINATIONAL TRAINING COMMAND
1 - 2 December 2015

AUSTRALIA FAMILIARIZATION VISIT

This visit familiarized Australia DoD Environmental representative with USAREUR ITAM, Garrison Environmental and Federal Forestry programs and best management practices.



4 JOINT MULTINATIONAL TRAINING COMMAND
17 - 19 November 2015

FRANCE FAMILIARIZATION VISIT

JMTC site visit provided support for the French MoD LIFE Defense Nature 2mil project. French MoD is interested in how USAREUR manages training areas to meet training requirements and sustain biodiversity. The site visit familiarized French representatives with USAREUR SRP components and best management practices.



5 MONTENEGRO
11 - 15 May 2015

MONTENEGRO THEATER SECURITY COOPERATION EVENT

ITAM event provided support for the EUCOM Environmental Considerations in Military Operations Workshop in Podgorica, Montenegro. The event covered topics such as environmental security challenges, range and training area sustainability and environmental training.

EVENTS CALENDAR

The ITAM program continued to support a variety of awareness events throughout USAREUR in 2015. ITAM's participation ranged from event hosting to providing presentations and/or training sessions.

EVENT	DATES	LOCATION	PARTNERS
Israel Theater Security Cooperation Event	26 - 30 January	Israel	
Slovenian Armed Forces Familiarization Visit	2 - 4 February	Grafenwoehr	
Montenegro Theater Security Cooperation Event	11 - 15 May	Montenegro	
Latvia Natura 2000 Workshop	25 - 29 May	Adazi, Latvia	
EUCOM / AFRICOM Defense & Intel User Group	1 - 2 June	Wiesbaden, Germany	
U.S. - Italy Sustainable Training Area Management Workshop	9 - 10 June	Udine, Italy	
U.S. Army Africa Familiarization Visit	25 June	Grafenwoehr, Germany	
Serbia Theater Security Cooperation Event	7 - 11 September	Belgrade, Serbia	
Croatia Theater Security Cooperation Event	21 - 25 September	Slunj, Croatia	
Israel Familiarization Visit	13 - 15 October	Grafenwoehr, Germany	
France Familiarization Visit	17 - 19 November	Grafenwoehr, Germany	
Spain Mapping / Site Survey	14 - 18 December	Chinchilla, Spain	
Hungary European Reassurance Initiative Site Visit	7 - 11 December	Hungary	
European Reassurance Initiative Site Visits	11 - 25 January; 9 - 13 February	Baltics	
Romania Mapping Site Visit	9 - 13 March	Romania	
Poland European Reassurance Initiative Site Visit	23 - 27 March	Poland	
Latvia European Reassurance Initiative Site Visit	11 - 15 May	Latvia	
Lithuania European Reassurance Initiative Site Visit	25 - 28 May	Lithuania	
Bulgaria European Reassurance Initiative Site Visit	6 - 8 July	Novo Selo, Bulgaria	
Romania European Reassurance Initiative Site Visit	13 - 15 July	Cincu, Romania	
Unit Training Management Leader Development Course	15 July	Vilseck, Germany	
Slovenia Combat Training Center Familiarization Visit	27 October	JMRC Hohenfels	
USAREUR O6 JMTC Familiarization Visit	4 November	Grafenwoehr, Germany	
Company Commander and First Sergeant Course	28 January; 25 March; 22 April; 23 September; 21 October	Grafenwoehr, Germany	
ITAM Viewer Training	30 January	Grafenwoehr, Germany	
Italy Mapping Site Visit	23 - 25 February	Italy	
Bundeswehr Geoinformation Centre Site Visit	17 - 19 March	Euskirchen, Germany	
Grafenwoehr Range and Training Area Working Group	17 March; 8 July; 14 October	Grafenwoehr, Germany	
Baumholder MTA Site Survey	30 March - 3 April	Baumholder, Germany	
JMRC Hohenfels Training Area Working Group	5 March; 21 March; 2 June; 21 July; 11 August	JMRC Hohenfels	
Rugged Terrain Obstacle Run	11 April	Grafenwoehr, Germany	
STEM Night Hohenfels High School	14 April	JMRC Hohenfels	
Bundeswehr Geoinformation Centre Familiarization Visit	11 May	Grafenwoehr, Germany	
JMRC Community Leader Day	22 May	JMRC Hohenfels	
Slovenia Drop Zone Mapping Site Visit	26 - 30 July	Slovenia	
Baumholder Mapping Site Visit	25 - 28 August	Baumholder, Germany	
Training Area Management, Open Areas and Nature Conservation Workshop	1 - 4 September	Mallnitz, Austria	
Eschenbach Community College Ecological Display	10 October	Eschenbach, Germany	
Australia MoD Familiarization Visit	1 - 2 December	Grafenwoehr, Germany	

EVENT	DATES	LOCATION	PARTNERS
NATO Environmental Training Panel	9 - 13 March	Ingolstadt, Germany	
NATO Geospatial Orientation Course	20 - 24 April	Oberammergau, Germany	
Joint Geospatial Standards Working Group's Technical Management Panel	5 - 7 May	Rome, Italy	
NATO School Instruction	13 May; October 19	Oberammergau, Germany	
NATO Environmental Aspects of Military Compounds Panel	21 - 26 September	Salzburg, Austria	
NATO Joint Geospatial Standards Working Group	9 - 12 November	Brussels, Belgium	
NATO Environmental Protection Working Group	7 - 11 December	Brussels, Belgium	
National Geospatial Intelligence Agency Familiarization Visit	2 July	Grafenwoehr, Germany	
Romania National Geospatial Intelligence Agency Bilateral Site Visit	21 - 26 September	Bucharest, Romania	
20th Baltic Military Geospatial Conference	7 - 9 December	Kaunas, Lithuania	
Sustainable Range Program Management Review	16 - 20 March; 31 August - 4 September	Fort Eustis, Virginia	
ESRI User Conference	20 - 24 July	San Diego, CA	

SUSTAINABLE RANGE PROGRAM WORKSHOP 2016

18 - 20 APRIL 2016

GRAFENWOEHR, GERMANY



AUDIENCE

In the past years, the USAREUR SRP Workshop was attended by members of the following organizations:

- » USAREUR Tactical Units
- » Multinational Partners
- » JMTC Training Support
- » JMTC G3
- » JMTC Safety

- » HQ USAREUR
- » DA G3
- » ATSC TCM-R
- » IMCOM - Europe
- » Public Affairs

- » German Federal Forestry
- » Resource Management
- » Unit G3 / S3s
- » DPWs
- » Army Corp of Engineers

TARGET

The Theme of the 2016 USAREUR Sustainable Range Program Workshop is "**Enabling Readiness**". Training support personnel have the challenging mission to provide a training base that guarantees realistic training conditions, while providing ambiguous training scenarios allowing a variety of opportunities to employ problem solving techniques.

The development and use of military training facilities must integrate mission requirements with environmental requirements and sound land management practices.

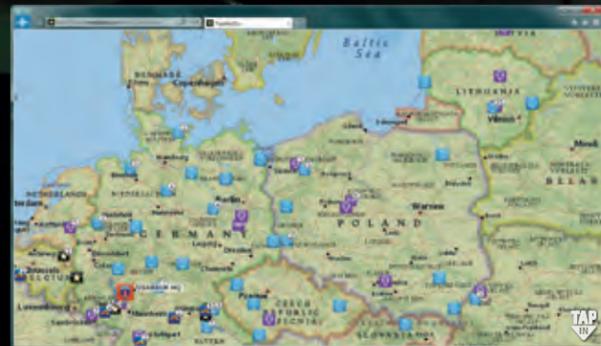
OVER
100
PARTICIPANTS

FROM
23
NATIONS

TAP IN

THE TOOL FOR TRAINING PLANNERS

"Google Maps®" portal for USAREUR Training Support Resources



Visit » <https://armyrangemapper.eur.army.mil/tapin>



1,000+

Training capabilities in Europe and Africa

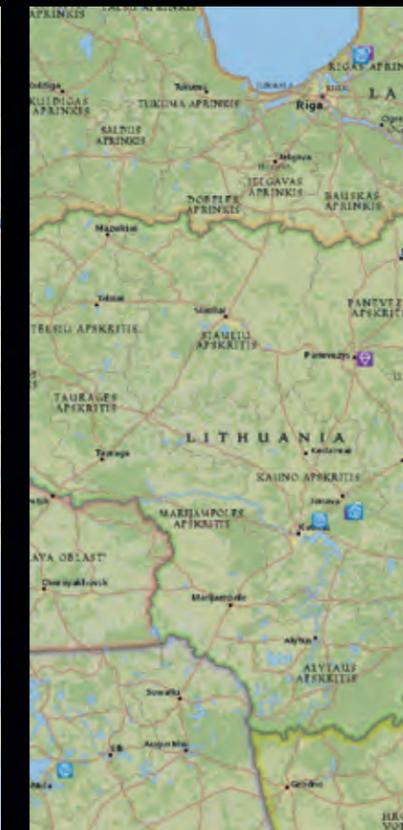


- » TRAINING AREAS
- » AIRFIELDS
- » RANGES
- » TADs
- » DZs
- » LZs
- » ASPs

Google...



View COCOM Scale



View National Scale



View Training Area / Range Scale

WHAT'S NEW?



Measurement Tools



Natura 2000 Data



Atlantic Resolve Data



RFMSS Capability and Events

2015 BY THE NUMBERS

51 Countries in the USAREUR Area of Responsibility

25,000+ Soldiers trained at the Joint Multinational Training Command in the last 12 months (51% were multinational troops)

4,710

Participants from 17 nations participated in exercise Saber Junction 15

22 Tap In SharePoint Deployments

2015 TRAINING SUPPORT WEBSITE STATISTICS

SITES	Hits	Page views	Visits	Unique visitors	Avg. visit length (mins)
armyrangemapper.eur.army.mil	1,723,361	937,060	13,763	4,367	16.16
srp.usareur.army.mil	442,114	304,494	6,309	2,799	6.02
TOTAL	2,163,475	1,241,554	20,072	7,166	11.09

APPLICATIONS	Hits	Page views	Visits	Unique visitors	Avg. visit length (mins)
Tap In	427,501	121,129	6,548	2,809	4.60
Tap In (SharePoint)	183,346	48,770	4,067	1,962	2.99
Army Range Mapper*	54,146	16,342	795	346	3.39

*Decommissioned 31 May 2015

2015 MOBILE APP DOWNLOAD STATISTICS

Soldier's Field Card	ARM Mobile	Environmental Officer Guide	Total Downloads	iOS (Apple)	Android
1,777	1,961	701	4,439		
525	234	202	961		

30,000+

U.S. Army Europe Soldiers forward stationed in Europe, plus the Regionally Aligned Forces and those rotating through for exercises



JMRC HOHENFELS

USAREUR ITAM executed 13 high impact projects in 2015. ITAM projects ensure the availability, accessibility and capability of USAREUR's training land platform remains maximized.



1 MANEUVER AREA REACTIVATION

5-10 km of maneuver trails were repaired and approximately 20 ha of open maneuver area were reactivated for maneuver training. Clearance included removal of unauthorized and/or superfluous barriers that block access to training lands. An additional 10 ha of open maneuver area was reactivated through the removal of encroaching woody vegetation using mulching, mowing and cutting.



2 RANGE AND TRAINING LAND ASSESSMENT MONITORING

Project included multiple surveys and assessments at Grafenwoehr and JMRC Hohenfels. The surveys provide information about the overall land condition and trends found across the installation.



3 LAND COVER RECONFIGURATION MAINTENANCE

Maintenance activities reconfigured approximately 15 ha of area adjacent to Urban Operations Sites Schwend and Mud Hut. Additional ditched fields were also constructed at Schwend.



4 SETTLING BASIN REPAIR AND MAINTENANCE

This project included repair and maintenance of 16 erosion control settling basins. Work included removal of vegetation overgrowth, sludge/humus and other debris. Additional work included repair of concrete overflows, standpipes or other erosion control features.



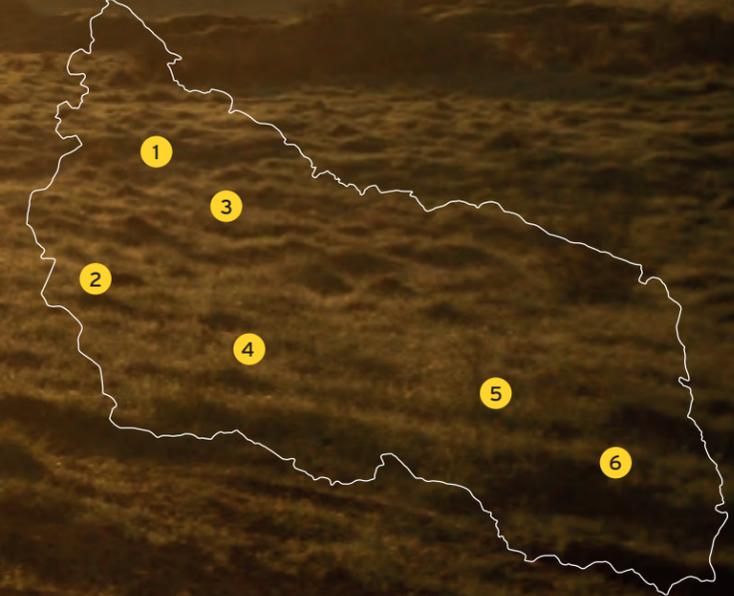
5 REPAIR TRAINING DAMAGES

Repaired damages along 3 km of maneuver trail, basins, dams and other erosion control infrastructure that resulted from heavy maneuver training activities. Damages included broken culvert aprons, damaged basin spillways or damage to clay lining caused by vehicles accidentally driving into basins.

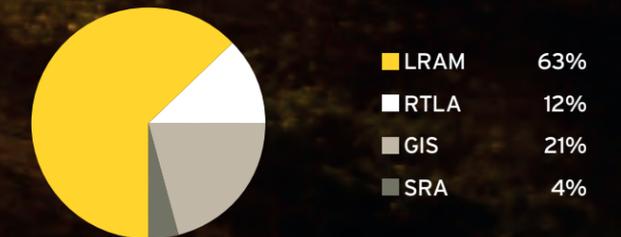


6 EROSION REPAIR AND MAINTENANCE ASSOCIATED WITH FIELD LANDING STRIP (FLS)

Project repaired and maintained adjacent areas to the FLS and included removal of encroaching vegetation, installation of erosion control best management practices and repair of associated maneuver trails.



JMRC HOHENFELS FUNDING



GRAFENWOEHR



1 BULK MATERIALS

Land repair and maintenance bulk materials (e.g. stakes, top soil, seed and gravel) and signage were procured in support of tasks executed by in-house Directorate of Public Works Building and Grounds resources on maneuver land.



2 LRAM HEAVY EQUIPMENT

Purchase of equipment and attachments to ensure that LRAM initiatives are supported through in-house efforts.



USAREUR

3 AERIAL IMAGERY

Project procured 2015 aerial imagery (0.25m resolution, true color) of JMRC Hohenfels and select LTAs in order to update the USAREUR Geographic Information System repository.



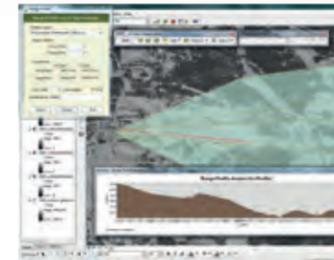
4 TAP IN SUSTAINMENT

Ensured sustainment of Tap In functionality, security and performance. Project also incorporated Command requested functionality.



5 COMPREHENSIVE GEOGRAPHIC INFORMATION SYSTEM

Project included procurement of satellite imagery, land repair mapping surveys and off-limit area mapping surveys. Survey and imagery primarily covered Atlantic Resolve training sites.



6 KIOSK SUSTAINMENT

Provided sustainment for the 5 ITAM Mapping / TSAE kiosks located at various USAREUR Training Support Centers. Sustainment included maintenance support and interface updates.



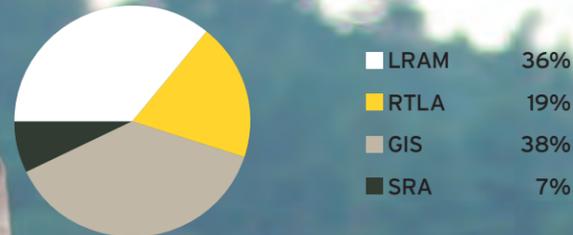
TSC STUTTGART BOEBLINGEN LTA

7 REPAIR MANEUVER TRAILS AND SERVICE DRAINAGE

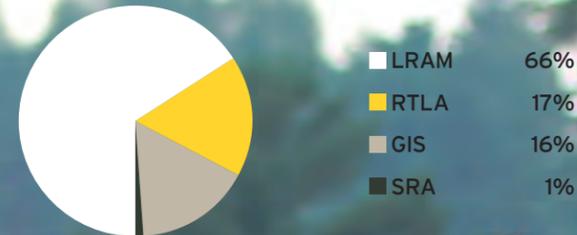
Approximately 1,800m of maneuver trail was resurfaced and repaired. Project also cleared encroaching vegetation, cleaned drainage system, repaired check dams and catch basins and culverts.



GRAFENWOEHR FUNDING



LOCAL TRAINING AREAS FUNDING



EUROPEAN SECURITY

ATLANTIC RESOLVE

USAREUR SRP REGIONAL SUPPORT CENTER (RSC)

The USAREUR SRP RSC, located at Grafenwoehr Training Area, provides a centralized resource of authoritative geospatial data and professional GIS expertise to support the core SRP and ITAM programs and training activities in the European theater of operations.

The RSC currently provides geospatial support to over 400 U.S. and multinational training sites across Europe and Africa. Data coverage is constantly updated and made available to units and civilians via web, mobile and hard copy map products.

GERMANY



ITALY

REGIONAL SUPPORT CENTER



SLOVENIA



CROATIA



HUNGARY



ROMANIA



BULGARIA



SERBIA



UKRAINE



LITHUANIA



LATVIA



ESTONIA



POLAND

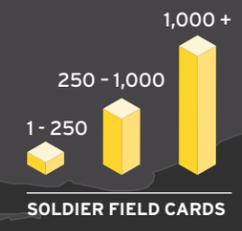
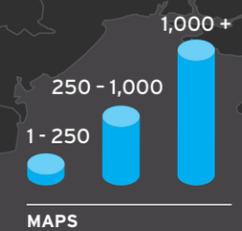


The United States is demonstrating its continued commitment to collective security through a series of actions designed to reassure NATO allies and partners of America's dedication to enduring peace and stability in the region in light of the Russian intervention in Ukraine.

ITAM subject matter experts provide support oriented to planning of European Reassurance Initiative (ERI) projects, building partner capacity through Theater Security Cooperation or conducting geospatial surveys of training sites.

ERI funding will help improve ground training sites. Combined training and theater security cooperation engagements with our Allies and partners demonstrate that we share a commitment to promoting a Europe that is whole, free and at peace.

TRAINING SUPPORT TEAM



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) SUPPORT



Coordination with the NGA Office of Geography - International/Military Co-Production has been invaluable for acquiring host nation map products and data via bilateral cooperation agreements, ensuring that U.S. units are training with the same maps as their NATO allies.



Top: 1st Lt. Rasa Girts, commander for B Co., Latvian Land Forces, briefs his counterparts on convoy operations on Nov. 15, 2015, as part of Exercise Iron Sword.

Bottom: Spc. Timmy Racke engages targets with his M240B machine gun while conducting battle drills at Pabrade Training Area, Lithuania, Dec. 2, 2015. Racke is an infantryman with the 3rd Infantry Division. The battle drills allow soldiers to fine-tune their skills within their squad and platoon.



WHO NEEDS WHAT

CUSTOMERS

Commanders, Directors and Program Managers

COMMANDER / ORGANIZATION MANAGER

10's



Annual Reports
Annual summaries of program and project achievements, milestones, events, customer support activities and lessons learned.



JMTC Overview - Training Support Map
Summarizes valuable information on in-theater training capabilities and projects stationing and training support requirements over the next five years.



Studies
ITAM provides a wide range of training land studies and geospatial analysis ensuring decision makers have authoritative information.

Professional GIS Personnel at SRP, Garrison, Units and select Contractors

GIS ANALYSTS

100's



Data Warehouse

Central, standardized, multi-user access repository of geospatial data developed and acquired by USAREUR SRP over the last 20 years. Contains topographic maps, imagery and GIS layers formatted for use in USAREUR SRP products and services.



ArcGIS Online Services

Web-based geospatial data services hosted by USAREUR SRP, providing easy, secure access to GIS data for USAREUR Training Areas for use in web-browser applications and desktop GIS software.



License Server

USAREUR SRP hosts the ArcGIS license server for IMCOM Europe Environmental departments.

G3/S3, Master Gunners, Safety, Range and Training Area Managers, SRP Personnel, Garrison Planners, Environmental Officers and SMEs

PLANNERS

1,000's



Map Atlases

Hard copy atlas which provides large scale topographic and aerial image maps of JMRC, to include all JMRC training facilities.



USAREUR Environmental Officer Guide Mobile App

Includes valuable reference material targeting unit environmental officers and includes the You Spill, You Dig brochure, garrison spill response plans, guidance documents, risk matrix, and material safety data sheets (MSDS).



ITAM Viewer

A 5 DVD set of geospatial data covering all USAREUR training areas and ranges. Set includes training areas in Germany (incl. Bundeswehr), Italy, Romania, Bulgaria, and many other training sites throughout Europe and Africa.



Raised Relief Maps

3D plastic-molded maps that depict contoured landscapes using high resolution digital terrain models. Available for: Grafenwoehr Training Area, JMRC Hohenfels, Afghanistan provinces (Kabul, Kunar, Paktika), Europe, Africa, N. Africa, Middle East, and the Caucasus region.



Tap In

Similar to Google Maps®, search training support facility locations, view facility-specific information, download pdfs (i.e. SOPs, handbooks, access maps), and query real-time and future RFMSS (range facility management support system) scheduling data for all USAREUR training facilities.



Custom Maps

Maps tailored to specific exercise or project requirements, with customer-defined scale, extent, content and layout.

U.S. Soldiers, Garrison and HQ Civilians, Training Support Civilians, Host-Nation Agencies and select Foreign Military Personnel

VIEWERS

10,000's



Soldier Field Cards

Essential environmental guidelines on training area usage; vehicle movement; petroleum, oil and lubricants handling; and fire prevention. Field cards also include MEDEVAC procedures, radio frequencies, emergency numbers, and a training area map.



ARM Mobile App

Includes all USAREUR training areas, training area gate locations, Esso gas stations, and standard topographic or aerial image maps. It supports navigating to those hard to find training area gates - includes gate to gate routing!



Soldier Field Card Mobile App

Application includes training area maps, safety information and standard guidelines for ensuring continued environmental stewardship.



Installation Maps

Installation special maps display topographic data and military training features for selected USAREUR training areas. Maps include aerial imagery, locator route maps, and Soldier Field Card information.



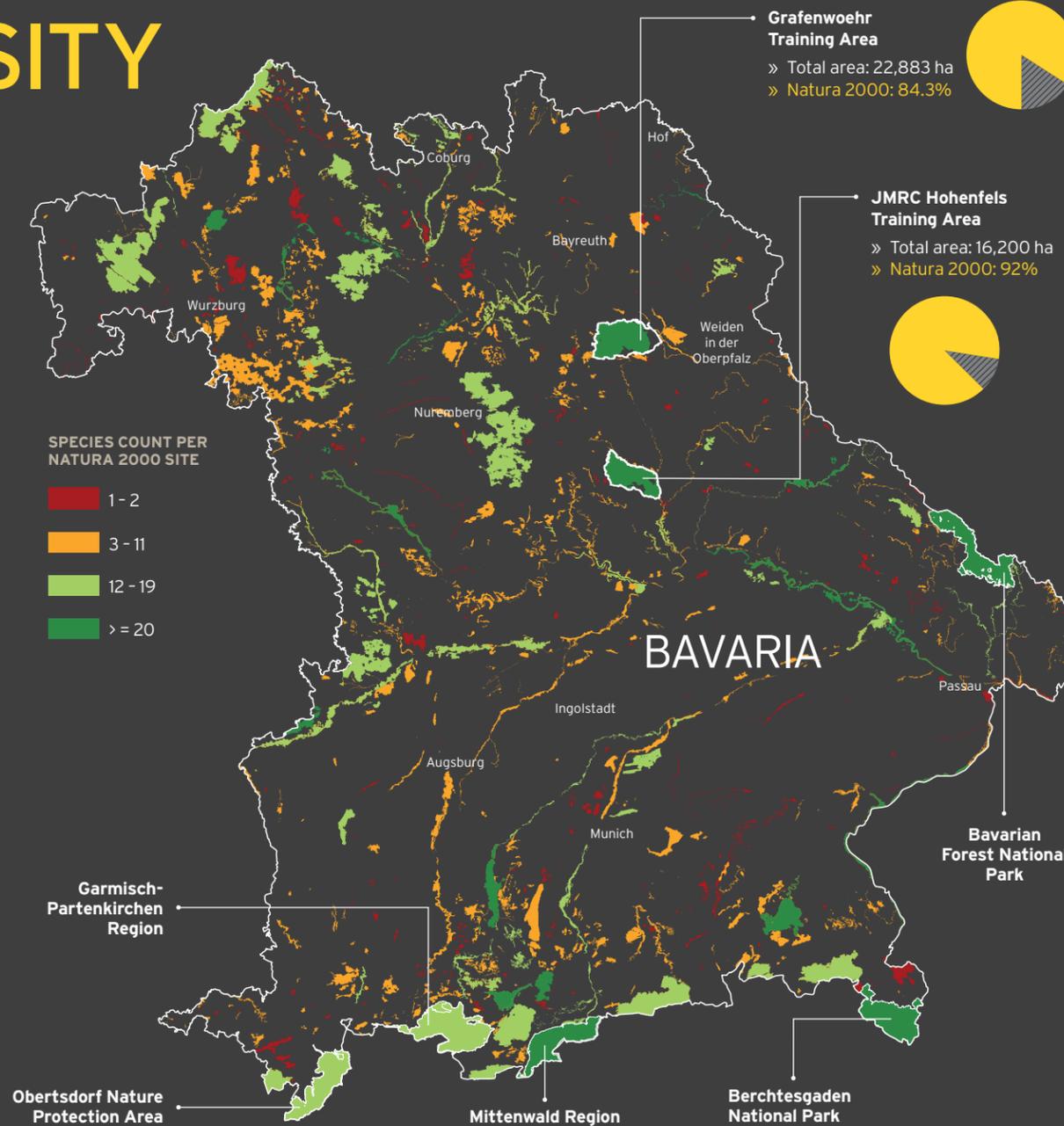
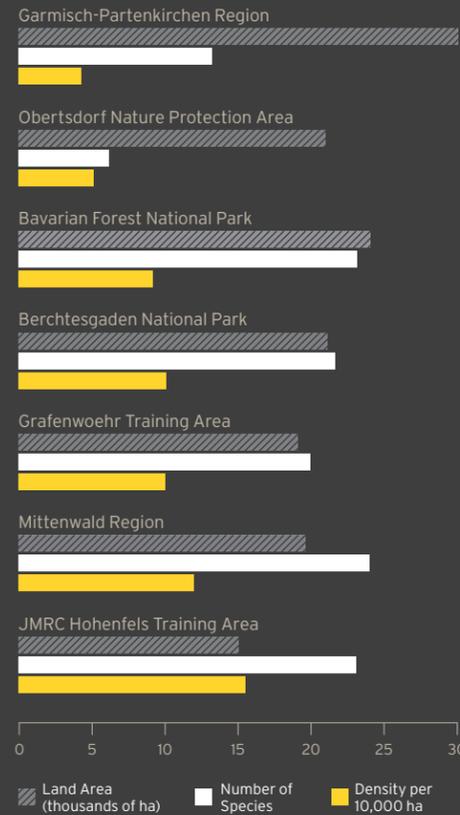
Training Support Kiosk

Located at Grafenwoehr Range Operations, NCOA and Training Support Centers, TSAE Kiosks allow users to query and print maps, information on training resources (e.g. Deployable Instrumentation System - Europe, and the Training Aids Production Center).

BIODIVERSITY

Military training areas are often referred to as "islands of biodiversity". Under the European Union's Natura 2000 network of protected area, USAREUR's Grafenwoehr and JMRC Hohenfels Training Areas are two of the largest and most species-dense Special Areas of Conservation in the State of Bavaria.

THREATENED AND ENDANGERED ANIMAL SPECIES BELIEVED TO OCCUR ON THE 7 LARGEST 'SPECIAL AREAS OF CONSERVATION' IN BAVARIA



Source: Bavaria's nominations of Natura 2000

Why do military training lands support such high biodiversity of threatened and endangered species?

- » Disturbance to ecosystems is natural and has always existed
- » Natural disturbances are heterogeneous in size, spatial and temporal distribution, frequency, severity, duration and kind
- » Humans suppress natural disturbances
- » Most modern human disturbances tend to be homogeneous
- » Disturbance from military training tends to be heterogeneous in size, spatial and temporal distribution, frequency, severity, duration and kind, thus creating a heterogeneous habitat mosaic that favors biodiversity

Environmental authorities cite the biggest threat for both the military and nature conservation is not the training, but the lack of training.

U.S. ARMY TRAINING LANDS COMPRISE 0.7% OF THE LAND AREA OF BAVARIA, ... BUT 21.7% OF ALL SPECIES ON THE BAVARIAN RED LIST OCCUR ON THE TRAINING LANDS.

"...most of the military areas, and especially those used for training and testing, contain significant, even spectacular, amounts of natural and semi-natural habitats and landscapes, with corresponding abundances of wildlife ... Sometimes they are among the richest and most important sites for biodiversity in their country."

European Commission



Ophrys apifera



Hyla arborea



Dorcadion fuliginator



Polyommatus dorylas



POST EXERCISE ASSESSMENTS

The JMRC Hohenfels and Grafenwoehr ITAM programs will continue to provide the Command immediate and detailed training land assessments following each major training exercise.

Standardized ITAM assessments document exercise-related impacts, mitigation required and potential concerns for training planners.



ITAM Exercise Assessment Combined Resolve IV CALFEX

Facts

Type: DATE/RAF
 Scenario: Combined V&LFX w/AAR
 Design: V&L Maneuver w/ FoF
 LFX/CALFEX: 25 Jun 15
 Special Facts: Virtual constructed fire support cell from British 26th Artillery
 # Partner Nations: 2
 Romania & Great Britain

Assets

	US	MN
PAX	575	50
Tanks	28	0
IFVs	35	0
APCs	0	4
Aircraft	4	0
Wheel	20	0

Conditions

Pre-Exercise
 Open Area Land Condition: Green
 Maneuver Trail Condition: Green
 Overall Erosion Status: 0-20%; Green

Exercise
 Daily Temperature: 73F/23C
 Evening Temperature: 66F/21C
 Precipitation: 0
 Notes: None

Exercise Impacts

Trail damage within PA-266 with some open land impacts within PA-352, PA-351, and PA-264. Small rehabilitation requirements with no erosion concerns.

Mitigation

	ITAM	DPW	Forest	TC
Trails	\$0.5K	\$0.5K		
Ditches				
Check Dams				
Ret. Basins				
Open Area	\$0.5K	\$0.5K		
Forest				

Total Estimated Cost: \$1K (MDEP TATM)
 Issues: None. Negligible land impacts for this exercise level.

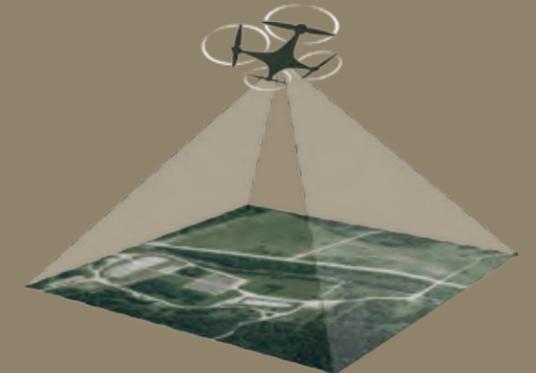
STRONG SOLDIERS, STRONG TEAMS! UNCLASSIFIED Combined Resolve As of 26 Jun 15

FUTURE

DRONE INTEGRATION

ITAM will integrate drones into post exercise training land assessments. Drones can provide a flexible and reactive platform for collecting land condition data.

The potential collection of hyperspectral imagery from a drone platform allows for quantification of plant cover, composition and structure at multiple spatial scales.



FY2015

COMBINED RESOLVE III
 JMRC Hohenfels
 15 October - 2 November 2014

COMBINED RESOLVE III CALFEX
 Grafenwoehr
 24 November 2014

ALLIED SPIRIT I
 JMRC Hohenfels
 12 - 31 January 2015

SABER JUNCTION
 JMRC Hohenfels
 1 - 30 April 2015

COMBINED RESOLVE IV
 JMRC Hohenfels
 2 May - 13 June 2015

COMBINED RESOLVE IV CALFEX
 Grafenwoehr
 25 June 2015

ALLIED SPIRIT II
 JMRC Hohenfels
 4 - 24 August 2015

SWIFT RESPONSE 15
 JMRC Hohenfels
 17 August - 10 September 2015

FY2016

CUSTOM 3D MAPS

ITAM partners with the JMTC Training Aids Production Center (TAPC) in Grafenwoehr to produce custom 3D raised relief maps.

A unit can request a custom or standard raised relief map product for any USAREUR training area by generating a VIOS order.

<http://www.vios.army.mil/>

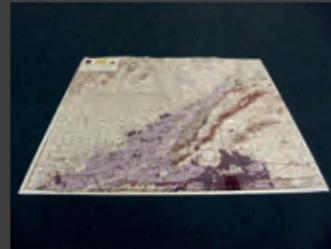
2015 3D MAP ORDERS



JMRC Hohenfels Training Area
ITAM 200



North West Africa
AFRICOM 5



Afghanistan
173d 50



Lake Chad Basin
AFRICOM 10



Novo Selo
ITAM 100



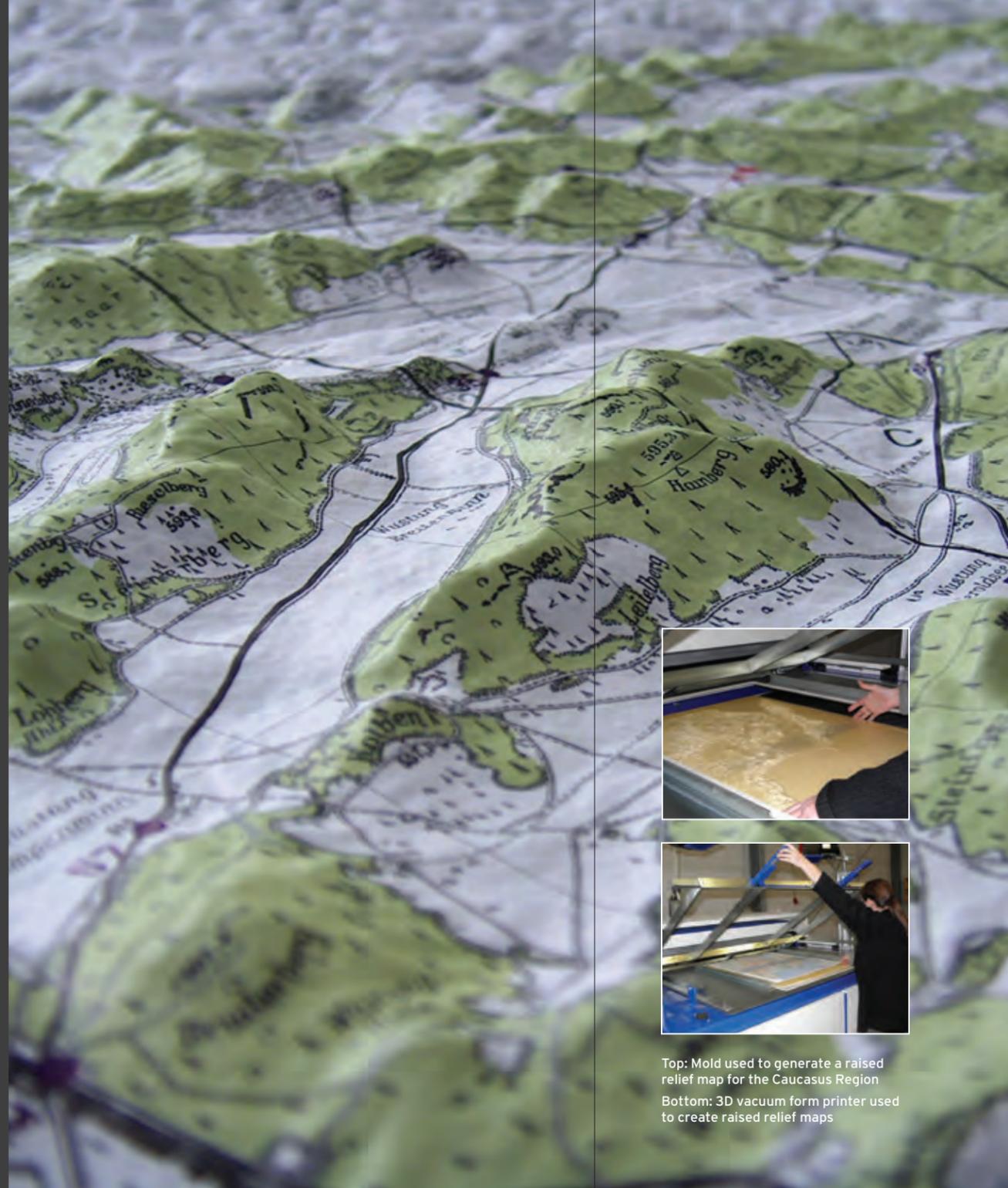
Central East Africa
AFRICOM 5



Libya
AFRICOM 10



Sinai
2CR 20



Top: Mold used to generate a raised relief map for the Caucasus Region
Bottom: 3D vacuum form printer used to create raised relief maps

TRAVELLING EXHIBITION

NATURE'S DEFENSE

GERMAN-AMERICAN ENVIRONMENTAL STEWARDSHIP OF GRAFENWOEHR AND HOHENFELS TRAINING AREAS

The exhibition provides information on the history, use and eco-management of the military training areas.

Large posters and informative texts render the exhibition informative for all age groups. The focus is on the combined efforts of the U.S. Army and German Federal Forestry to preserve the area for military use and nature conservation.

The exhibition is designed for display preferably in high-traffic public spaces, e.g. municipal institutions, schools, museums, shopping centers or airports.

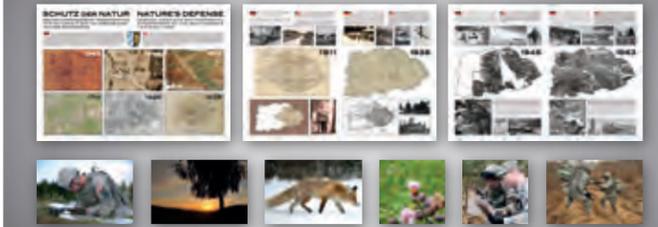
More information is available on the Facebook site.

www.facebook.com/usareur.srp



MID / LONG TERM EXHIBITION

Exhibit displayed on wall or on wood boards



SHORT TERM EXHIBITION

Exhibit displayed on retractable roll up banner stand display



2016 INITIATIVES



DRONES

Post exercise training land assessments will be facilitated with the use of remote sensing from aerial drones. High resolution imagery collected immediately following large exercises will assist ITAM in the planning, prioritization and execution of land repair projects.



CAMOUFLAGE

The tactics and techniques of using camouflage for cover and concealment will be re-emphasized for forces in future training exercises.

ITAM will coordinate with partners in providing options for units to use live foliage for natural camouflage.



ATLANTIC RESOLVE

ITAM's map and Soldier Field Card product line covering Atlantic Resolve training sites will be expanded to support future training events. ITAM will continue close coordination with the National Geospatial Intelligence Agency on development of products for new locations and on obtaining National Stock Numbers.

NATO

ITAM will continue to custodian NATO's Standardized Agreement 2594 "Best Practices on Sustainability of Military Training Areas". ITAM will also assist the NATO Environmental Protection Working Group on multiple programs of work, to include increasing awareness of NATO's environmental protection initiatives.





For further information or copies of this Stewardship Report, please contact the ITAM office: +49 (0)9641-83-ITAM or usarmy.bavaria.jmtc.list.usareur-srp@mail.mil

Photos primarily provided by JMTC Flickr and Training Support Activity Europe Visual Information.

www.facebook.com/7thArmyJMTC

www.flickr.com/photos/7armyjmtc

www.youtube.com/7thUSArmyJMTC

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